```
=> d his

     (FILE 'HOME' ENTERED AT 14:45:43 ON 18 JUL 2001)

     FILE 'REGISTRY' ENTERED AT 14:45:53 ON 18 JUL 2001
                E VESTANAT T 1890/CN
L1            1 S VESTANAT T 1890/CN
                E TOLONATE/CN
L2            1 S E8
L3            1 S 82197-86-2/RN

     FILE 'CAPLUS' ENTERED AT 14:49:21 ON 18 JUL 2001
L4           76 S L1 OR L2 OR L3
L5            7 S L4 AND (FLUOR? OR PERFLUORO?)
L6            0 S L4 AND (OIL(W)REPELLANT OR WATER(W)REPELLANT)
L7       102523 S OLIGOURETHANE? OR POLYURETHANE?
L8         5719 S L7 AND (FLUOR? OR PERFLUORO?)
L9            6 S L8 AND (OIL(W)REPELLANT OR WATER(W)REPELLANT)

=> s l5 or l9
L10          13 L5 OR L9
```

X-Reference from EP Search Report

OH 09/592,254

=> d ibib abs hitstr

L3 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1996:290029 HCAPLUS
DOCUMENT NUMBER: 124:319816
TITLE: Low-surface-energy polyisocyanates and their use in one- or two-component coating compositions
INVENTOR(S): Yeske, Philip E.; Squiller, Edward P.; Slack, William E.
PATENT ASSIGNEE(S): Bayer A.-G., USA
SOURCE: Eur. Pat. Appl., 17 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

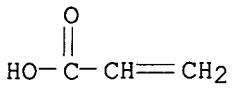
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| EP 702041 | A1 | 19960320 | EP 1995-113753 | 19950901 <-- |
| EP 702041 | B1 | 20011212 | | |
| R: BE, DE, ES, FR, GB, IT, NL | | | | |
| US 5576411 | A | 19961119 | US 1994-306553 | 19940914 |
| CA 2156244 | AA | 19960315 | CA 1995-2156244 | 19950816 |
| JP 08104728 | A2 | 19960423 | JP 1995-259519 | 19950913 |

PRIORITY APPLN. INFO.: US 1994-306553 A 19940914

AB The present invention is directed to a polyisocyanate mixt. (i) having an NCO content of 5 to 35% by wt. and prepd. from an org. diisocyanate, (ii) contg. at least 1% by wt. of isocyanurate groups (calcd. as N3, C3, O3, MW 126), (iii) contg. allophanate groups in an amt. such that there are more equiv. of allophanate groups than urethane groups, and (i.v.) contg. fluorine (calcd. as F, AW19) in an amt. of 0.001 to 50% by wt., wherein the preceding percentages are based on the solids content of the polyisocyanate mixt., excluding any unreacted org. diisocyanate, and wherein fluorine is incorporated by reacting an isocyanate group with a compd. contg. two or more carbon atoms, one or more hydroxyl groups and one or more fluorine atoms to form urethane groups and converting a sufficient amt. of these urethane groups to allophanate groups to satisfy the requirements of (iii), provided that the polyisocyanate mixt. contains sufficient allophanate groups to ensure that the polyisocyanate mixt. remains stable and homogeneous in storage for 3 mo at 25.degree.C. This polyisocyanate mixt. is useful in the manuf. of coatings with low surface energy. A typical polyisocyanate mixt. is manufd. by reaction of 100 g HDI with 4 parts perfluorinated ethylene oxide-end-capped polypropylene oxide monoether in the presence of trimethylbenzylammonium hydroxide at 90.degree..

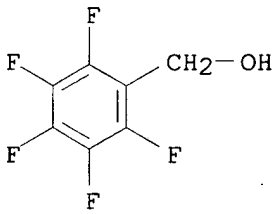
IT **79-10-7DP**, 2-Propenoic acid, esters, hydroxy-functional polymers, reaction products with products of fluorinated alcs. and isocyanurate- and allophanate-contg. polyisocyanates
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(ccc; fluoropolyisocyanates contg. isocyanurate and allophanate groups having good storage stability for manuf. of polyurethane coatings with low surface energy)

RN 79-10-7 HCAPLUS
CN 2-Propenoic acid (9CI) (CA INDEX NAME)

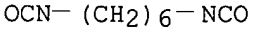


IT **440-60-8DP**, 2,3,4,5,6-Pentafluorobenzyl alcohol, reaction products with polyisocyanates and acrylic polyols **822-06-0DP**, allophanate- and isocyanurate-contg. polyisocyanates, reaction products with fluorinated alcs. and acrylic polyols **4098-71-9DP**, IPDI, allophanate- and isocyanurate-contg. polyisocyanates, reaction products with fluorinated alcs. and acrylic polyols **9003-11-6DP**, Ethylene oxide-propylene oxide copolymer, perfluorinated, monoether, reaction products with polyisocyanates and acrylic polyols **176521-16-7DP**, Desmophen ALS 2945, reaction products with allophanate- and isocyanurate-contg. polyisocyanates and fluorinated alcs. **176521-26-9DP**, Fluorolink E, reaction products with polyisocyanates and acrylic polyols **176521-29-2DP**, Galden TX, reaction products with polyisocyanates and acrylic polyols
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(fluoropolyisocyanates contg. isocyanurate and allophanate groups having good storage stability for manuf. of polyurethane coatings with low surface energy)

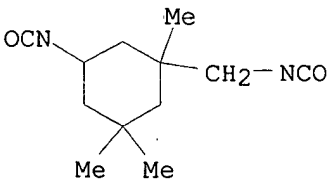
RN 440-60-8 HCAPLUS
CN Benzenemethanol, 2,3,4,5,6-pentafluoro- (9CI) (CA INDEX NAME)



RN 822-06-0 HCAPLUS
CN Hexane, 1,6-diisocyanato- (9CI) (CA INDEX NAME)



RN 4098-71-9 HCAPLUS
CN Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl- (9CI) (CA INDEX NAME)

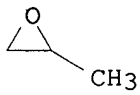


RN 9003-11-6 HCAPLUS

CN Oxirane, methyl-, polymer with oxirane (9CI) (CA INDEX NAME)

CM 1

CRN 75-56-9
CMF C3 H6 O



CM 2

CRN 75-21-8
CMF C2 H4 O

RN 176521-16-7 HCAPLUS
CN Desmophen ALS 2945 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 176521-26-9 HCAPLUS
CN Fluorolink E (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 176521-29-2 HCAPLUS
CN Galden TX (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***